

Sewage treatment plant

- We support your comfortable life with advanced technologies.

Example of our products

1. MBR : Membrane Bio Reactor
2. Fluidized incineration system

Features

1. MBR : Membrane Bio Reactor

MBR is an activated sludge system that solid-liquid separation is performed by Membrane unit inside a Reactor.

- Advanced Treatment Water :
Removes efficiently SS, BOD, coliform group.
- Space-Saving:
Due to solid-liquid separation with membrane, reactor and sand filtering facility are not necessary.
- Nitrification/ Denitrification Operation:
This method keeps concentration of mixed liquor of suspended solids (MLSS) in reactor as high as 10,000 mg/l, and enables nitrification / denitrification within the same retention time as that of the activated sludge method.
- Reduce Sludge Generation
High MLSS concentration can be set, enabling the self-degradation of sludge to proceed, thereby leading to a reduction in generated sludge volume.

2. Fluidized Incineration System

Fluidized Incineration System is very effective to reduce/detoxify sludge, and provides excellent incinerating ability with good cost performance and easy maintenance.

- Easy Operation and Maintenance
Since the incinerator does not have mechanically movable internal parts, its structure is simple and maintenance is easy.
- The Possession Calorie is Large and an Intermittent Driving is Easy.
Intermittent system operation is possible, because the fluid sand can retain a large amount of heat, and decrease of the incinerator temperature after shutdown can be inhibited.
- Highly Effective Combustion
Fluid sand enables strong stirring of fluid air and dehydrated cakes, leading to effective combustion with small volumes of excess air.
- Controls Generation of the Poisonous Substance
The high temperature maintained in the incinerator enables complete decomposition of odor constituents, as well as inhibition of dioxin and cyanide generation.

Overview (Technical principles, actions, etc.)

Our wide range of technology can propose various solutions such as efficient removal of COD, removal of nitrogen or phosphate to solve the problem of eutrophication, desalination of recirculated water, energy saving etc. We have designed and supplied many sewage treatment plants and advanced waste water treatment plants to prefectures, cities, towns, villages and housing complex nationwide and have contributed to the improvement of community life as a reliable plant supplier.

Installation Examples

1. MBR : Membrane Bio Reactor

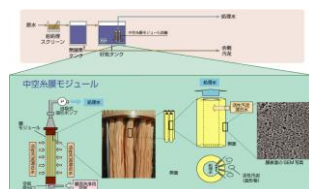
- J Purification Center (H City) 1,375m³/day(2009)
- T Purification Center (A City) 620m³/day(2010)

2. Fluidized Incineration System

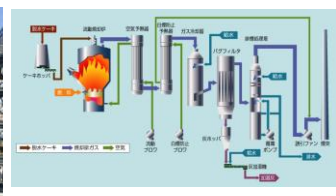
- Drainage Sewage Disposal Plant (O City) 60t/day(2009)
- Sewage Sludge Large Area Processing Place (H Prefecture) 200t/day(2009)
- Downstream Purification Center (H Prefecture) 90t/day(2006)



1. MBR: Membrane Bio Reactor



2. Fluidized Incineration System



Inquiries

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